**SCH4U Unit 5 Electrochemistry:**

Lesson 3: Balancing Redox Reactions using the Oxidation Number Method.

***Chalkboard Outline***

Last day:

* Oxidation numbers.
* Review of Redox reactions.

Learning Goals

* Understanding how to balance redox equations using the oxidation number method.
* Communicate and utilize problem solving skills through different modes of learning (i.e. kinesthetically, orally, visually, auditory).
* Understand the importance of using ratios in common “real-life applications” when balancing redox reactions.

**Today’s Agenda**

Minds on:

* Video - Introduction to redox reactions.
* Why is important to understand the ratio of chemicals needed when looking at balancing redox reactions in “real world applications”?

Action:

* Review of oxidation numbers and introduction to balancing redox equations using the oxidation number method.
* Pair – Come up procedure for oxidation number method.
* Group of Four – solve problems in acidic and basic conditions.

Consolidation and Connection:

* Game – Matching the steps.
* Quiz (not for marks)

Next day

* Final remarks and Homefun.